

SMART ELECTRONICS COMMUNICATION

Delhi, INDIA

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Model: SDC50	Frequency: 30-1000 MHz	Gain: 2-3 dBi
DISCONE ANTENNA		

DESIGN FEATURES: The SDC50 discone antenna is specially designed for Omni-directional coverage. Due to its low VSWR through entire band from 30-100 MHz, this discone antenna can be used as a transmitting and receiving antenna with high efficiency, to meet the broadband requirement of a base station antenna such as spectrum monitoring or jamming application. The discone antenna when packed comes with cone and disc elements removed from the antenna body for ease of packing and shipment.



CONSTRUCTIONS: The SDC50 discone antenna is rugged all weather model, does not require any field tuning or adjustments. The compact size of discone antenna allows easy handling and specially designed mounting hardware results in fast installation. The cone and disc hubs of wide band discone antennas are made of chromium plated brass and all fasteners are of stainless steel. Discone Antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.

ELECTRICAL SPECIFICATIONS:	
Frequency Range	30-1000 MHz
Gain	2-3 dBi
Bandwidth	Full band
Polarization	Vertical
Input Impedance	50 Ohm
Radiation Pattern	Omni Directional
Vertical Beam-width –Half Power Points	79°
VSWR	≤ 3:1
RF Power Handling Capacity	500 Watts
Input Connector	UHF female (SO-239) / N-Female
MECHANICAL SPECIFICATIONS:	
Materials	Aluminium / Brass
Mounting Hardware	Stainless Steel
Gross Weight (approx.)	18 Kg
Antenna Length (approx.)	3 Meters
Wind Rating	180 Km/Hr
Maximum Mounting Pipe Diameter	51 mm (2" inches)
Insulator Materials	Teflon & Nylon
ENVIRONMENTAL SPECIFICATIONS:	
Operating Temperature	(-)30° to +70° C
Storage Temperature	(-)40° to +80° C
Humidity	0 to 95% RH

Note: All information contained in the datasheet is subject to change without any prior notice.